IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Ryusuke Hasegawa et al.	Group Art Unit:	3747
Serial No.:	09/779,877	Examiner:	Hai H. Huynh
Filed:	February 8, 2001		
For:	MAGNETIC CORE-COIL ASSEMBLY FOR SPARK IGNITION SYSTEMS		
Old Docket No.:	11872-022001 / 30-4016 US Rei		
New Docket No.:	0017-28 Rei / 30-4016 US Rei		

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Morristown, NJ 07960
February 17, 2003

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

PRELIMINARY AMENDMENT UNDER 37 CFR 1.115

In response to the Advisory Office Action dated February 5, 2003, the following remarks are filed. A Request for Continued Examination under 37 CFR 1.114 has been lodged to support further prosecution of this application. Claims 1-18 are under consideration.

REMARKS

Applicants' invention, as recited by present claims 1 to 18, provides a magnetic core-coil assembly for a coil-per-plug (CCP) spark ignition transformer. Such CCP spark ignition transformers are suited for use in ignition systems of internal combustion engines. The assembly is capable of rapidly generating a high voltage output from a secondary coil in response to a low voltage excitation of a primary coil. Advantageously, the core-coil assembly of the present invention (i) repeatedly generates the high voltages required for ignition events in an internal combustion system; (ii) efficiently transfers energy from the coil to the plug; (iii) exhibits very low core loss, thereby enabling it to provide a highly accurate representation of the ignition profile for